

DERWENT-ACC-NO: 1999-632578

DERWENT-WEEK: 199954

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TITLE: Self contained power converter plant for use with modular power supply system such as cellular telephone power system

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PRIORITY-DATA: 1999US-0227663 (January 8, 1999)

PATENT-FAMILY:

| PUB-NO       | PUB-DATE         | LANGUAGE |
|--------------|------------------|----------|
| PAGES        | MAIN-IPC         |          |
| US 5969965 A | October 19, 1999 | N/A      |
| 009          | H02M 001/00      |          |

INT-CL (IPC): H02M001/00; H05K005/00

ABSTRACTED-PUB-NO: US 5969965A

BASIC-ABSTRACT: NOVELTY - A housing (110) accommodates convertor (120), power input connector (116) and convertor communications connector (114). The convertor is coupled to the DC input power bus and to the communication bus via the power input connector and convertor communication connector, respectively.

DETAILED DESCRIPTION - The convertor control card (130) contained in the housing (110) is electrically coupled to the convertor (120) and the convertor communication connector (114). An INDEPENDENT CLAIM is also included for describing self contained power convertor manufacturing method.

USE - For modular power supply system such on cellular telephone power system.  
Also for domestic applications.

ADVANTAGE - Form factor of the convertor plant housing is substantially the same as that of rectifier used in the power supply system.  
As the system is self-contained, the convertor plant is inserted simply into the rectifier bay and secondary loads connected to the power distribution

panel.

DESCRIPTION OF DRAWING(S) - The figure depicts isometric view of self contained convertor plant.

Housing 110

Convertor 120

Convertor communication connector 114

Power input connector 116

Convertor 120

Convertor control card 130

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Basic Abstract Text - ABTX:

ADVANTAGE - Form factor of the convertor plant housing is substantially the same as that of rectifier used in the power supply system. As the system is self-contained, the convertor plant is inserted simply into the rectifier bay and secondary loads connected to the power distribution panel.